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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/585,067	06/29/2006	Hiroyuki Tanaka	Q95248	5100
23373 7590 05/27/2009 SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W.			EXAMINER	
			BUIE, NICOLE M	
	SUITE 800 WASHINGTON, DC 20037		ART UNIT	PAPER NUMBER
			1796	
			MAIL DATE	DELIVERY MODE
			05/27/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
	10/585,067	TANAKA ET AL.
Office Action Summary	Examiner	Art Unit
	NICOLE M. BUIE	1796
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with the c	correspondence address
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING ID. - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period. - Failure to reply within the set or extended period for reply will, by stature Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be tin I will apply and will expire SIX (6) MONTHS from te, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).
Status		
Responsive to communication(s) filed on 24 I This action is FINAL . 2b) ☐ This action is FINAL . Since this application is in condition for allowated closed in accordance with the practice under	is action is non-final. ance except for formal matters, pro	
Disposition of Claims		
4) Claim(s) 8-15 is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) 8-15 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/	awn from consideration.	
9) The specification is objected to by the Examin	or	
10) The drawing(s) filed on is/are: a) ac Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E	cepted or b) objected to by the I drawing(s) be held in abeyance. See ction is required if the drawing(s) is object.	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of: 1. Certified copies of the priority documer 2. Certified copies of the priority documer 3. Copies of the certified copies of the priority application from the International Burea * See the attached detailed Office action for a list	nts have been received. nts have been received in Applicationity documents have been received au (PCT Rule 17.2(a)).	on No ed in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal F 6) Other:	ate

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DETAILED ACTION

Response to Amendment

The amendment filed 02/24/2009 has been entered. Claims 1-7 have been canceled. Claims 8-15 have been added. The previous claim objection to claims 1-7 is withdrawn in light of Applicants' cancellation of said claims.

Response to Arguments

Applicant's arguments filed 02/24/2009 with respect to claims 1-7 have been fully considered and are persuasive. The rejection of claims 1-7 has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of newly found prior art.

The following comments apply:

- A) Since, Stewart (US 4,503,171) does not teach or suggest a crystalline carbon allotrope, the previous rejection under Stewart has been withdrawn.
- B) Since JP 2004-051937 A does not teach or suggest a fluorine-containing elastomer, the previous rejection under 102(a) of claims 1-5 have been withdrawn.
- C) Since claim 12 is the same as previous claim 2 and newly found prior art has been used, this action is not final.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

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(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 8, 9, and 11 are rejected under 35 U.S.C. 102(b) as being anticipated by Savinkin et al. (RU 2164524 C1, see Derwent Abstract for citation) as evidenced by Guschin et al. (US 5,482,695).

Regarding claims 8 and 9, Savinkin et al. discloses a fluorine-containing elastomer comprising a fluorine-containing elastomer and impact detonation diamond graphite which is used for a coating (See Derwent Abstract).

However, Savinkin et al. does not explicitly disclose the particle size of impact detonation diamond graphite. As evidenced by Guschin et al., the size of the diamond after detonation is from 0.004-0.012 µm which meets the claimed range (C1/L21-25, C2/L1-10).

Regarding claim 11, the recitation of a new intended use (i.e. for a semiconductor manufacturing equipment) for an old product does not make a claim to that old product patentable. *In re Schreiber*, 128 F.3d 1473, 1477, 44 USPQ2d 1429, 1431 (Fed. Cir. 1997). See MPEP § 2111.02.

Claims 12 and 14 are rejected under 35 U.S.C. 102(b) as being anticipated by Savinkin et al. (RU 2164524 C1, see Derwent Abstract for citation) as evidenced by Guschin et al. (US 5,482,695).

Regarding claims 12 and 14, Savinkin et al. discloses a fluorine-containing elastomer comprising a fluorine-containing elastomer and impact detonation diamond graphite which is used for a coating (See Derwent Abstract).

However, Savinkin et al. does not explicitly disclose the particle size of impact detonation diamond graphite. As evidenced by Guschin et al., the size of the diamond after detonation is from 0.004-0.012 µm which meets the claimed range (C1/L21-25, C2/L1-10).

Claim 15 is rejected under 35 U.S.C. 102(b) as being anticipated by Guschin et al. (US 5,482,695).

Regarding claim 15, Guschin et al. discloses diamond particles are 0.04-0.012 μm which meets the claimed range (C2/L1-10).

The recitation of a new intended use (i.e. for a sealing material in a semiconductor manufacturing equipment) for an old product does not make a claim to that old product patentable. *In re Schreiber*, 128 F.3d 1473, 1477, 44 USPQ2d 1429, 1431 (Fed. Cir. 1997). See MPEP § 2111.02.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out

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the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 10 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over by Savinkin et al. (RU 2164524 C1, see Derwent Abstract for citation) as evidenced by Guschin et al. (US 5,482,695) as applied to claims 8 and 12 above, and further in view of Drobny "Technology of Fluoropolymers", 2001, CRC Press, , pp. 103-104.

Regarding claim 10, modified Savinkin et al. discloses a coating material as shown above in claims 8 and 12.

However, modified Savinkin et al. does not disclose fluorine-containing elastomer is a perfluoroelastomer. Drobny teaches perfluoroelastomers are useful as coatings or sealants (P103-104). Savinkin et al. and Drobny are analogous art concerned with the same field of endeavor, namely fluoroelastomeric material for coatings. It would have been obvious to one of ordinary skill in the art at the time of invention to substitute a fluorine-containing elastomer of Savinkin et al. with a perfluoroelastomer of Drobny, and the motivation to do so would have been as Drobny suggests perfluoroelastomers are particularly suited for extreme service conditions, including chemical substances, oxidizers, oils, fuels, acids, and are capable of use at high temperatures (P103).

Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to NICOLE M. BUIE whose telephone number is (571)270-3879. The examiner can normally be reached on Monday-Thursday with alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Eashoo can be reached on (571)272-1197. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/N. M. B./ Examiner, Art Unit 1796 5/21/2009

/Marc S. Zimmer/

Primary Examiner, Art Unit 1796